

CLAIMS

Sub 13 individualized
9.5

1. Method for manufacturing a coherent, robust piece of meat from smaller pieces of meat, wherein the smaller pieces of meat are treated with one or more edible salts in order to form a layer with solubilized proteins on the surface of the smaller pieces of meat and wherein the pieces of meat are held against each other to form the coherent piece of meat, characterized in that the solubilized proteins are selectively denatured and coagulated such that the smaller pieces of meat are mutually joined but themselves substantially retain the properties of unprocessed raw meat because proteins present in the smaller pieces of meat substantially do not denature.

2. Method as claimed in claim 1, characterized in that the denaturation of the solubilized proteins is brought about by causing a pH decrease between the smaller pieces of meat.

3. Method as claimed in claim 2, characterized in that at least on the interface between the smaller pieces of meat and the layer with solubilized proteins a temporary pH decrease is brought about of 0.5 to 3, preferably 0.75 to 3, more preferably 1 to 2.

4. Method as claimed in claim 2 or 3, characterized in that the pH decrease is obtained by adding an additive causing a delayed acidification in a quantity such that the pH value decreases considerably in the layer with solubilized proteins, while the resulting final pH decrease in the pieces and/or portions of meat is insufficient to affect the taste.

5. Method as claimed in claims 1-4, characterized in that the denaturation is brought about by means of a heat treatment at a temperature lying between 40°C and 95°C, preferably between 45°C and 75°C and more preferably between 50°C and 65°C.

6. Method as claimed in claim 5, characterized in that the temperature increase for the purpose of denaturation

*Meat asymmetrically
cells texture.*

95) during the heat treatment amounts to 0.1 to 50°C/sec. for the applicable upward and downward temperature range.

5 7. Method as claimed in any of the foregoing claims, characterized in that the solubilized proteins are formed on the surface of the smaller pieces of meat by treating them with one or more suitable salts by massaging and/or tumbling.

8. Method as claimed in claim 9, characterized in that the treatment of the smaller pieces of meat with one or more suitable salts takes place in a rotating drum.

10 9. Method as claimed in any of the foregoing claims, characterized in that the solubilized proteins are at least partially formed by preparing a forcemeat from finely reduced meat with water and one or more suitable salts which is mixed with the smaller pieces of meat.

15 10. Method as claimed in claim 9, characterized in that the smaller pieces of meat are slightly salted prior to addition of the forcemeat.

20 11. Method as claimed in claim 9, characterized in that the relatively smaller pieces of meat are massaged with one or more suitable salts prior to addition of the forcemeat.

12. Method as claimed in any of the foregoing claims, characterized in that common salt is used for solubilizing proteins.

25 13. Method as claimed in any of the claims 5-12, characterized in that after the heat treatment a forced cooling is applied until the meat has reached a temperature lower than about 45°C.

30 14. Method as claimed in any of the foregoing claims, characterized in that the meat is held in a mould or container at least during the selective denaturation and the coagulation.

15. Method as claimed in claim 14, characterized in that the meat is held under pressure in a mould or container.

35 16. Method as claimed in claim 14 or 15, characterized in that the meat is arranged in a vacuum bag which is placed in the mould or container.

17. Method as claimed in any of the foregoing claims, characterized in that meat reduced in size is used as starting material and the denaturation and coagulation

95/ process is performed while the meat is held in a thin layer under light pressure to form a product with the texture of thinly cut red meat.

18. Coherent piece of meat formed from smaller pieces
5 of raw meat joined by denatured and coagulated solubilized protein.

add
96/

add
97/